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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 102870-102 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/576777
INTERNATIONAL APPLICATION NO. PCT / GB2004/ 004464	INTERNATIONAL FILING DATE 21 OCTOBER 2004	PRIORITY DATE CLAIMED 21 OCTOBER 2003
TITLE OF INVENTION ANDROGEN RECEPTOR MODULATORS		
APPLICANT(S) FOR DO/EO/US KARO BIO AB		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (Unsigned). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 to 20 below concern document(s) or information included:		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 24pt; font-weight: bold;">10/576777</div>	INTERNATIONAL APPLICATION NO. PCT / GB2004 / 004464	ATTORNEY'S DOCKET NUMBER 102870-102														
20. Other items or information: International Search Report, Express Mail Certification, Return Receipt Postcard																
The following fees have been submitted		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">CALCULATIONS</th> <th style="width: 50%;">PTO USE ONLY</th> </tr> </table>	CALCULATIONS	PTO USE ONLY												
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21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 300</td> <td style="width: 50%;"></td> </tr> </table>	\$ 300													
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22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 200</td> <td style="width: 50%;"></td> </tr> </table>	\$ 200													
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23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 400</td> <td style="width: 50%;"></td> </tr> </table>	\$ 400													
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TOTAL OF 21, 22 and 23 =		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">900</td> <td style="width: 50%;"></td> </tr> </table>	900													
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<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> </table>														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Total Sheets</th> <th style="width: 15%;">Extra Sheets</th> <th style="width: 35%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width: 35%;">RATE</th> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td>x \$250</td> </tr> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	- 100 =	/50 =		x \$250	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$</td> <td style="width: 50%;"></td> </tr> </table>		\$					
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- 100 =	/50 =		x \$250													
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Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$</td> <td style="width: 50%;"></td> </tr> </table>	\$													
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">CLAIMS</th> <th style="width: 15%;">NUMBER FILED</th> <th style="width: 35%;">NUMBER EXTRA</th> <th style="width: 35%;">RATE</th> </tr> <tr> <td>Total claims</td> <td>15 - 20 =</td> <td></td> <td>x \$ 50</td> </tr> <tr> <td>Independent claims</td> <td>2 - 3 =</td> <td></td> <td>x \$200</td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	15 - 20 =		x \$ 50	Independent claims	2 - 3 =		x \$200	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$</td> <td style="width: 50%;"></td> </tr> </table>		\$	
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<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">-\$450</td> <td style="width: 50%;"></td> </tr> </table>	-\$450													
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Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$</td> <td style="width: 50%;"></td> </tr> </table>	\$													
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Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$</td> <td style="width: 50%;"></td> </tr> </table>	\$													
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10/576777

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 23-1665 in the amount of \$ 450 to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-1665. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Docket Coordinator
WIGGIN and DANA LLP
One Century Tower
265 Church Street
New Haven, CT 06508-1832

Customer No: 27267


SIGNATURE

Todd E. Garabedian, Ph.D.

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Tel. (203) 498-4400
Fax (203) 782-2889

21 APR 2006

CERTIFICATION UNDER 37 CFR §1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date, April 21, 2006, in an envelope marked "Express Mail" Mailing Label No. EV 534135969 US, addressed to Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450.

Todd E. Garabedian, Ph.D.
Printed Name of Person Mailing Paper


Signature of Person Mailing Paper

- Transmittal Letter - Form PTO-1390 (2 Copies)
- Preliminary Amendment (20 Pages)
- International PCT Application WO 2005/042464 (93 Pages)
- International Search Report Form PCT/ISA/210 (5 Pages)
- Combined Declaration and Power of Attorney for Joint Inventors (Unsigned)
- Return Receipt Postcard